

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839925

Luminaire Tested: **LDS4C30D010 EU4309035 4LBSWMH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C30D010 EU4309035 4LBSWMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

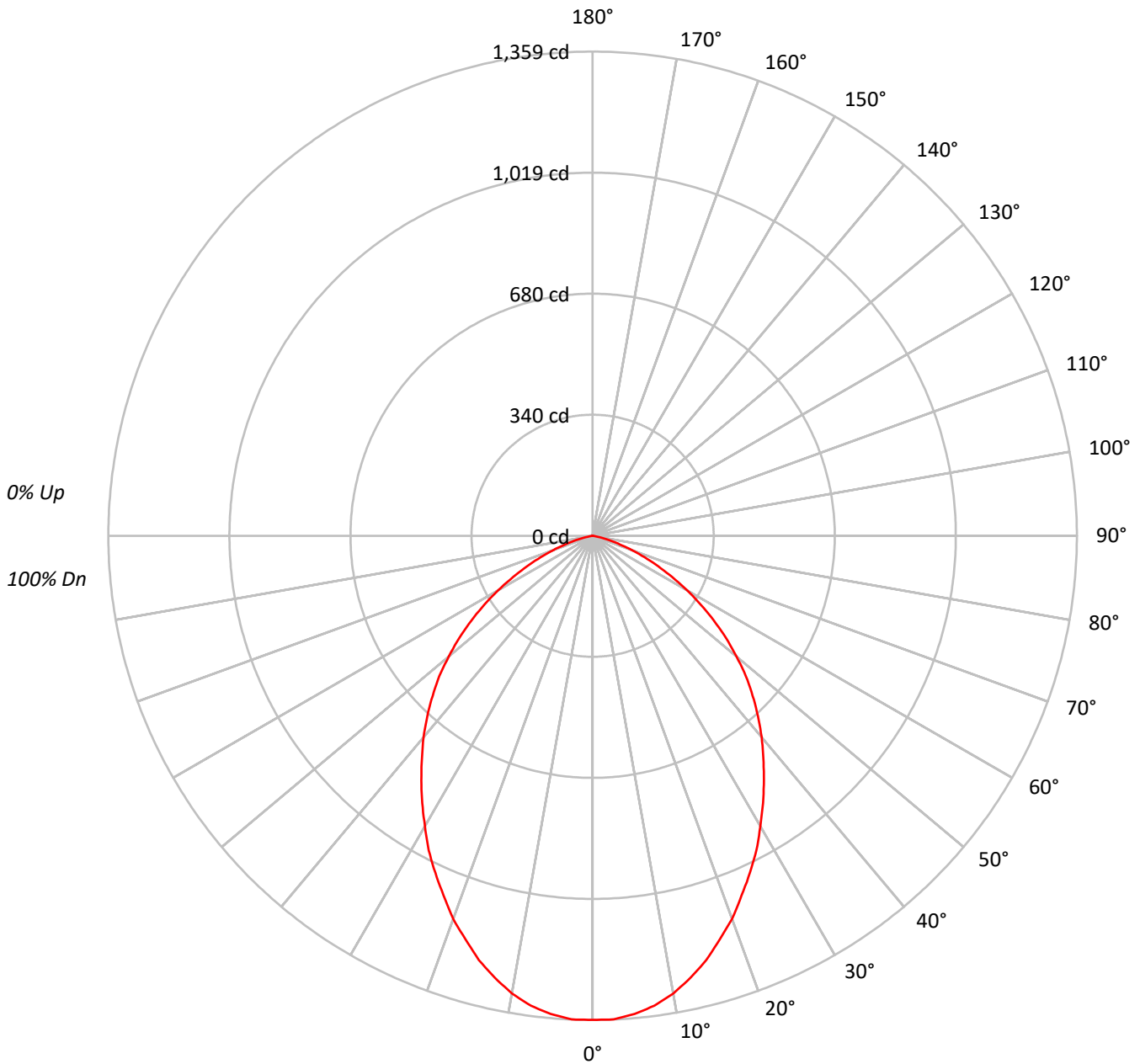
Lumens per Lamp: N/A
Luminaire Lumens: 2598.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P839925

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWMH

Luminous Intensity Polar Plot





TEST NUMBER: P839925

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166921
5°	166153
10°	162722
15°	156809
20°	149590
25°	141532
30°	133503
35°	125695
40°	118356
45°	110326
50°	100609
55°	88845
60°	75211
65°	59040
70°	42134
75°	23069
80°	4103
85°	0



TEST NUMBER: P839925

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	4.9
10°-20°	345.9	13.3
20°-30°	480.4	18.5
30°-40°	524.2	20.2
40°-50°	489.0	18.8
50°-60°	371.2	14.3
60°-70°	203.2	7.8
70°-80°	55.9	2.2
80°-90°	0.8	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	953.6	36.7
0°-40°	1477.8	56.9
0°-60°	2338.0	90.0
0°-90°	2598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2598.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1359	
5°	1347	127
15°	1233	346
25°	1044	480
35°	838	524
45°	635	489
55°	415	371
65°	203	203
75°	49	56
85°	0	1
90°	0	



TEST NUMBER: P839925

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1358.7
2.5°	1358.7
5°	1347.3
7.5°	1330.2
10°	1304.4
12.5°	1270.1
15°	1232.9
17.5°	1187.2
20°	1144.2
22.5°	1092.7
25°	1044.1
27.5°	995.5
30°	941.1
32.5°	889.6
35°	838.1
37.5°	786.6
40°	738.0
42.5°	686.5
45°	635.0
47.5°	583.5
50°	526.4
52.5°	472.0
55°	414.8
57.5°	360.4
60°	306.1
62.5°	251.7
65°	203.1
67.5°	157.3
70°	117.3
72.5°	80.1
75°	48.6
77.5°	22.9
80°	5.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)